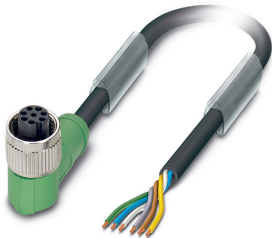


## Master cable - SAC-6P-10,0-PURMC/M12FR - 1407821

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M12 socket, angled, 6-pos., with connected master cable, for sensor/actuator box with M8 slots, cable length: 10 m

RoHS

### Key Commercial Data

Packing unit	1 pc
GTIN	 4 046356 857499
GTIN	4046356857499
Weight per Piece (excluding packing)	380.000 g
Custom tariff number	85444290
Country of origin	Poland

### Technical data

#### Ambient conditions

Ambient temperature (operation)	-25 °C ... 80 °C (Plug / socket)
	-25 °C ... 80 °C (Plug / socket)
Degree of protection	IP65
	IP67
	IP68

#### General

Rated voltage	30 V AC
	30 V DC
Number of positions	6
Coding	A - standard

# Master cable - SAC-6P-10,0-PURMC/M12FR - 1407821

## Technical data

### General

Standards/regulations	M12 connector IEC 61076-2-101
Connection method	Fixed connection
Torque	0.4 Nm (M12 connector)

### Material

Flammability rating according to UL 94	HB
Contact material	CuZn
Contact surface material	Ni/Au
Contact carrier material	TPU GF
Sealing material	NBR
Housing material	PUR

### Connection assignment

Slot/position = pin = conductor color	1 / 4 (A) = P = WH
	2 / 4 (A) = J = BK
	3 / 4 (A) = T = PK
	4 / 4 (A) = S = GY
	1-4 / 1 (+ 24 V) = A = BN
	1-4 / 3 (0 V) = L = BU

### Standards and Regulations

Standards/specifications	M12 connector IEC 61076-2-101
Flammability rating according to UL 94	HB

### Cable

Cable type	PUR halogen-free black
Cable type (abbreviation)	PUR
Cable abbreviation	Li9Y11Y
Conductor cross section	6x 0.25 mm <sup>2</sup> (Signal line)
AWG signal line	24
Conductor structure signal line	32x 0.10 mm
Core diameter including insulation	1.17 mm ±0.02 mm
Thickness, insulation	≥ 0.21 mm (Core insulation)
Wire colors	brown, white, blue, black, gray, pink
Overall twist	Six cores around the filler to the core
External sheath, color	black-gray RAL 7021
Outer sheath thickness	approx. 0.7 mm
External cable diameter	5.00 mm
External cable diameter D	5 mm ±0.15 mm

## Master cable - SAC-6P-10,0-PURMC/M12FR - 1407821

### Technical data

#### Cable

Cable weight	34 kg/km
Outer sheath, material	PUR
Material, filler	PE
Material conductor insulation	PP
Conductor material	Bare Cu litz wires
Insulation resistance	≥ 100 MΩ*km (at 20 °C)
Conductor resistance	78 Ω/km (at 20 °C)
Nominal voltage, cable	≤ 300 V
Test voltage, cable	≥ 3000 V
Special properties	Flexible cable conduit capable
	Silicone-free
	Free of substances which would hinder coating with paint or varnish
Other resistance	Highly resistant to acids, alkaline solutions and solvents
	hydrolysis and microbe resistant
	partly UV-resistant in accordance with DIN EN ISO 4892-2-A
Flame resistance	in accordance with DIN UL-Style 20549
Halogen-free	in accordance with DIN VDE 0472 part 815
Resistance to oil	in accordance with DIN EN 60811-2-1
Ambient temperature (operation)	-40 °C ... 80 °C (cable, fixed installation)
	-5 °C ... 80 °C (cable, flexible installation)

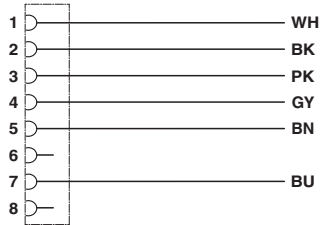
#### Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50 years
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

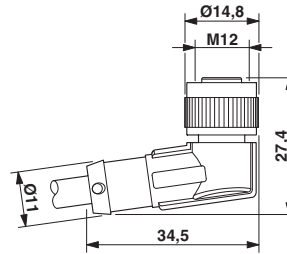
#### Drawings

# Master cable - SAC-6P-10,0-PURMC/M12FR - 1407821

Circuit diagram

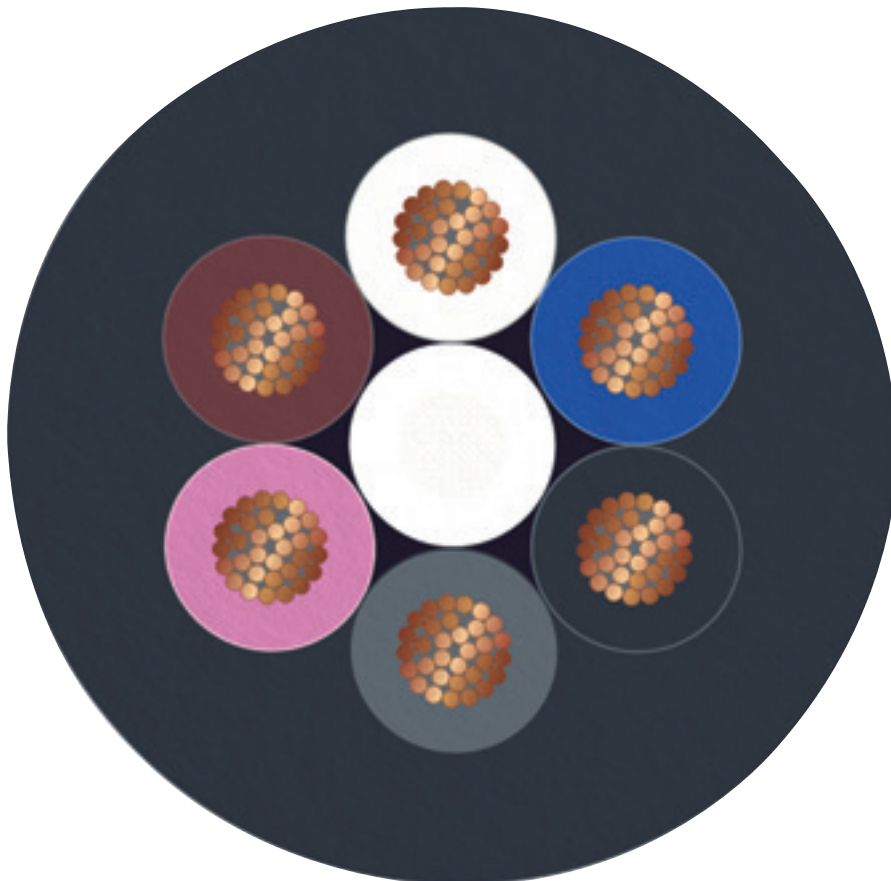


Dimensional drawing



M12 x 1 socket, angled

Cable cross section



PUR halogen-free black [PUR]

# Master cable - SAC-6P-10,0-PURMC/M12FR - 1407821

## Classifications

### eCl@ss

eCl@ss 10.0.1	27060311
eCl@ss 11.0	27060311
eCl@ss 4.0	27060300
eCl@ss 4.1	27060300
eCl@ss 5.0	27061800
eCl@ss 5.1	27061800
eCl@ss 6.0	27279200
eCl@ss 7.0	27279218
eCl@ss 9.0	27060311

### ETIM

ETIM 3.0	EC000830
ETIM 4.0	EC001855
ETIM 6.0	EC001855
ETIM 7.0	EC001855

### UNSPSC

UNSPSC 6.01	30211923
UNSPSC 7.0901	39121522
UNSPSC 11	39121522
UNSPSC 12.01	39121522
UNSPSC 13.2	31251501
UNSPSC 19.0	31251501
UNSPSC 20.0	31251501
UNSPSC 21.0	31251501

## Approvals

### Approvals

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Approvals

EAC-RoHS

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Ex Approvals

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### Approval details

## Master cable - SAC-6P-10,0-PURMC/M12FR - 1407821

### Approvals

EAC-RoHS



RU D-  
DE.HB35.B.00387